

Focus Area 16: Maternal, Infant, and Child Health

Objective 16-1h targets the reduction in the infant death rates due to Sudden Infant Death Syndrome (SIDS) to 0.25 per 1,000 live births.

A total of 219 California infants born in 2000 died from SIDS in their first year of life, at a rate of 0.41 per 1,000 live births based on data extracted from the Birth Cohort Files (Figure 16-1h, Table 16-1h). For 2001 a total of 185 SIDS deaths were reported at a rate of 0.35 per 1,000 live births, and for 2002 there were 150 SIDS deaths at a rate of 0.28. California's infant death rate due to SIDS declined significantly between 2000 and 2002, but remained higher than the target established in HP2010.

Data by race-ethnicity of the mother show that Blacks/African Americans had the highest cohort infant death rates due to SIDS (1.02 per 1,000 live births in 2000, 0.84 in 2001, and 0.87 in 2002). These death rates significantly higher than those for all other racial and ethnic populations, and significantly higher than the HP2010 target. The next highest reliable SIDS death rates are reported for Whites (0.48 per 1,000 live births in 2000, 0.45 in 2001, and 0.42 in 2002). The HP2010 objective has been achieved only for Hispanic/Latino infants (0.15 per 1,000 live births in 2002). Death rates for American Indians/Alaska Natives, Native Hawaiian/Other Pacific Islanders, and the "Multirace" populations were unreliable due to the small numbers of events and are not shown.

Examined by age of mother, the highest reliable SIDS death rates occurred for mothers aged 15-19 years (0.87 per 1,000 live births in 2000, 0.64 in 2001, and 0.40 in 2002). As of 2002, the HP2010 objective was only being achieved for mothers aged 30-34 years (0.24 per 1,000 live births).

SIDS death rates for male infants (0.52 per 1,000 live births in 2000, 0.37 in 2001, and 0.33 in 2002) were significantly higher than those for female infants (0.30 per 1,000 live births in 2000, 0.33 in 2001, and 0.23 in 2002). The HP2010 objective is only being achieved for female infants as of 2002.

For more information on SIDS in California, visit the Maternal and Child Health Branch SIDS Program Web site at:

<http://www.mch.dhs.ca.gov/programs/sidsp/default.htm>

and the California SIDS Program Web site at:

<http://www.californiasids.com/Universal/MainPage.cfm?p=10>

For more information on Healthy People 2010 objective 16-1h, please visit:

http://www.healthypeople.gov/Document/HTML/Volume2/16MICH.htm#_Toc494699661

and

<http://www.healthypeople.gov/Document/html/tracking/od16.htm#fetaldeaths>

Figure 16-1h
Sudden Infant Death Syndrome Rates
By Race-Ethnicity and Age of Mother, Sex of Child
California, 2000-2002

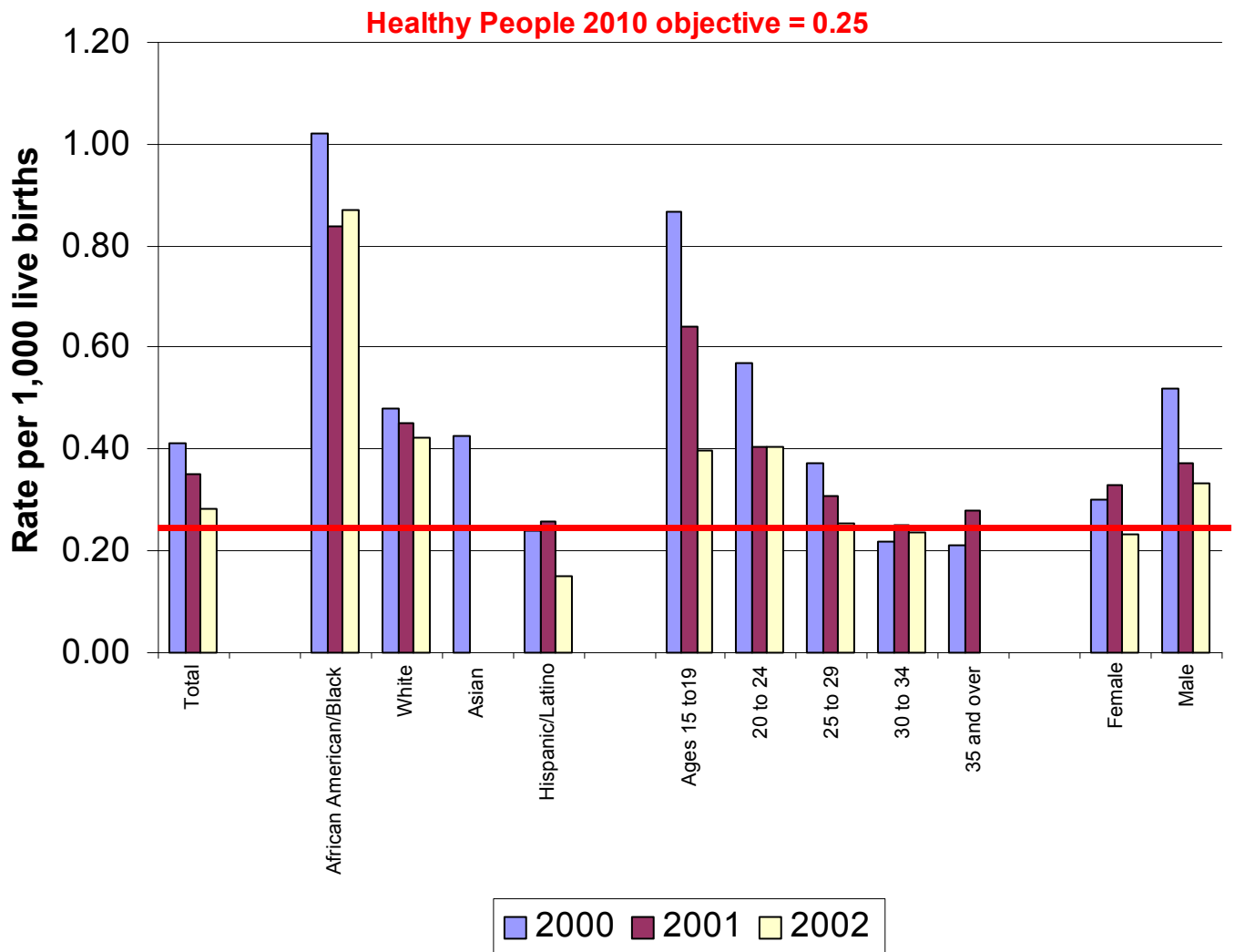


Table 16-1h
Sudden Infant Death Syndrome (SIDS) Deaths and Death Rates
California, 2000-2002

Cohort Infant Death Rates*	2000					2001				
	SIDS Deaths	Live Births	Rate ¹	Lower 95% C.I.	Upper 95% C.I.	SIDS Deaths	Live Births	Rate ¹	Lower 95% C.I.	Upper 95% C.I.
Healthy People 2010 Target	0.25					0.25				
CALIFORNIA TOTAL	219	531,313	0.41	0.36	0.47	185	527,452	0.35	0.30	0.40
Race-Ethnicity of Mother										
African American/Black	33	32,290	1.02	0.67	1.37	26	30,971	0.84	0.52	1.16
American Indian/Alaska Native	3	1,975	DSU	-----	-----	1	1,986	DSU	-----	-----
Asian	25	58,872	0.42	0.26	0.59	8	57,444	DSU	-----	-----
Hawaiian/Pacific Islander	3	2,376	DSU	-----	-----	2	2,356	DSU	-----	-----
Hispanic/Latino	62	257,963	0.24	0.18	0.30	67	261,022	0.26	0.20	0.32
White	81	168,219	0.48	0.38	0.59	74	163,787	0.45	0.35	0.55
Multirace	10	6,254	DSU	-----	-----	4	6,388	DSU	-----	-----
Maternal Age Group										
Under 15	2	895	DSU	-----	-----	2	810	DSU	-----	-----
15 - 19	48	55,375	0.87	0.62	1.11	34	52,972	0.64	0.43	0.86
20 - 24	70	122,581	0.57	0.44	0.70	50	123,231	0.41	0.29	0.52
25 - 29	52	139,604	0.37	0.27	0.47	42	136,448	0.31	0.21	0.40
30 - 34	28	127,509	0.22	0.14	0.30	32	127,951	0.25	0.16	0.34
35 and over	18	85,251	0.21	0.11	0.31	24	85,948	0.28	0.17	0.39
Sex of Child										
Female	78	259,218	0.30	0.23	0.37	85	258,171	0.33	0.26	0.40
Male	141	272,089	0.52	0.43	0.60	100	269,268	0.37	0.30	0.44

Cohort Infant Death Rates*	2002				
	SIDS Deaths	Live Births	Rate ¹	Lower 95% C.I.	Upper 95% C.I.
Healthy People 2010 Target	0.25				
CALIFORNIA TOTAL	150	529,334	0.28	0.24	0.33
Race-Ethnicity of Mother					
African American/Black	26	29,809	0.87	0.54	1.21
American Indian/Alaska Native	0	1,966	0.00	0.00	0.00
Asian	8	59,376	DSU	-----	-----
Hawaiian/Pacific Islander	2	2,411	DSU	-----	-----
Hispanic/Latino	40	263,056	0.15	0.10	0.20
White	68	161,486	0.42	0.32	0.52
Multirace	4	6,812	DSU	-----	-----
Maternal Age Group					
Under 15	0	743	0.00	0.00	0.00
15 - 19	20	50,209	0.40	0.22	0.57
20 - 24	50	123,066	0.41	0.29	0.52
25 - 29	35	137,242	0.26	0.17	0.34
30 - 34	31	130,377	0.24	0.15	0.32
35 and over	11	87,611	DSU	-----	-----
Sex of Child					
Female	60	258,896	0.23	0.17	0.29
Male	90	270,429	0.33	0.26	0.40

SOURCE: California Department of Health Services, Birth Cohort Perinatal Files, 2000-2002.

NOTES: * Cohort files contain linked birth and death records for infants born in the same calendar year and followed for one year to determine how many died in their first year of life; sudden infant deaths (SIDS) defined by ICD-10 code R95.

¹ Rate per 1,000 live births; by mother's place of residence.

DSU Data Statistically Unreliable due to small number of events.